

Xylophilous Agaricomycetes (Basidiomycota) of the Brazilian Cerrado

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ABSTRACT: An updated checklist of xylophilous Agaricomycetes from the Brazilian Cerrado showed 127 species, 22 families and nine orders (Agaricales, Atheliales, Auriculariales, Corticiales, Gloeophyllales, Hymenochaetales, Polyporales, Russulales, and Thelephorales). The new list includes new specimens collected between 2009 and 2011 in Reserva Biológica de Mogi-Guaçu, São Paulo State, Brazil, and a revision of material previously known from Cerrado. Twelve species are mentioned for the first time for Brazil and 51 are recorded as new for the Cerrado.

INTRODUCTION

Agaricomycetes comprises almost 21,000 species spread in 17 orders of Basidiomycota: Agaricales, Atheliales, Auriculariales, Boletales, Cantharellales, Corticiales, Geastrales, Gloeophyllales, Gomphales, Hymenochaetales, Hysterangiales, Phallales, Polyporales, Russulales, Sebaciniales, Thelephorales, and Trechisporales (Kirk *et al.* 2008). The recent progress in molecular phylogeny led to significant changes in supra-ordinal taxonomy of the Agaricomycetes (Hibbett and Donoghue 1995, Hibbett and Thorn 2001, Wagner and Fischer 2002, Hibbett *et al.* 2005, 2007). However, there is a need to expand these important advances to include the tropical fungi in general. The Brazilian Cerrado is one of the world's biodiversity hotspots (Myers 2000, Mittermeier *et al.* 2005), but still very little is known about the diversity of its Agaricomycetes. Previous studies were performed in areas of Mato Grosso (Sampaio 1916) and São Paulo States (Fidalgo *et al.* 1965, Bononi 1984, Gugliotta 1997, Baseia and Milanez 2001a,b, 2002a,b, 2003, Baseia 2005, Baseia *et al.* 2007) revealing a total of 95 species mentioned by Gibertoni and Drechsler-Santos (2010). The present study aimed to improve the knowledge of Agaricomycetes in Brazil by revising the specimens cited in the literature for the Brazilian Cerrado, and by adding recently collected species.

MATERIALS AND METHODS

Study area

The Brazilian Cerrado is currently restricted to 45% of its original extension (1.5 million km²) and covers eight Brazilian States and the Federal District, constituting the largest savanna in South America. It shows several vegetation types, mainly determined by soil types, such as: cerrado, cerrado *sensu stricto*, dirty field and clean field. Gallery forests are common in the Cerrado landscape. The climate is tropical and the rainy season is between April and October, temperatures varying between 22-27 °C, and

an annual precipitation of 1,500 mm. The dry season is well defined, with lack of water in some areas (Coutinho 1978, Lima and Silva 2005, Klink and Machado 2005).

Data Collection and Identification

This paper was based on material recently collected and on revision of material previously collected in areas of Cerrado and deposited in the Herbarium SP, with exception of the material collected by Sampaio (1916), which has no voucher indication or herbarium number. Each exsiccate was revised and the identification individually checked before being included in the checklist.

Field trips were performed between June 2009 and November 2011, in areas of riparian forest and cerrado *sensu stricto* in Reserva Biológica de Mogi-Guaçu, São Paulo State, Brazil (22°11'-16' S, 47°08'-11' W). Collection, preservation and herborization of material followed standard techniques for these fungi (Fidalgo and Bononi 1984). Identification was based on micro- and macromorphology of basidiomata, in accordance with recommendations of Teixeira (1962, 1995), Gilbertson and Ryvarden (1986), and Ryvarden (1991, 2004), using keys for each group, mainly Hjortstam *et al.* (1987), Núñez and Ryvarden (2000, 2001), and Ryvarden (2004).

RESULTS AND DISCUSSION

Field collections and exsiccates revision resulted in 127 species, 76 genera, 22 families and nine orders of Agaricomycetes (Agaricales, Atheliales, Auriculariales, Corticiales, Gloeophyllales, Hymenochaetales, Polyporales, Russulales, and Thelephorales). Polyporales is the most represented order with 72 species.

Aleurodiscus botryosus, *A. cerussatus*, *Anomoloma myceliosum*, *Cotylidia undulata*, *Dichostereum sordulentum*, *Ganoderma tuberculosum*, *Gloeoporus purpurascens*, *Hymenochaete digitata*, *H. opaca*, *Russula lutea*, *Thelephora atrocitrina* and *T. lilacina* are new records from Brazil (and are marked with with ® in the checklist). Fifty one species

are new records from the Cerrado and are marked with * in the checklist.

Revision of the exsiccates deposited in Herbarium SP resulted in the exclusion of 21 species from the previous Cerrado checklist (Gibertoni and Drechsler-Santos 2010), such as: *Amphinema byssoides*, *Byssoporia terrestris*, *Chondrostereum coprosmae*, *Coniophora arida*, *C. olivacea*, *Coriopsis gallica*, *Exidiopsis calcea*, *Ganoderma resinaceum*, *Hymenochaete cacao*, *H. unicolor*, *Hyphodontia crustosa*, *Hy. sambuci*, *Hy. spathulata*, *Melanoporella carbonacea*, *Melanoporia nigra*, *Microporellus obovatus*, *Phellinus punctatus*, *P. robustus*, *Phylloporia ribis*, *Rigidoporus vinctus*, and *Scytinostroma portentosum*. The occurrences of *Peniophora inconspicua* and *Phanerochaete hydroides* in Cerrado were also not confirmed.

The species mentioned only by Sampaio (1916) (*Amauroderma calcigenum* (Berk.) Torrend, *A. omphalodes* (Berk.) Torrend, *Auricularia auricula-judae* (Bull.) Quél., *Coltricia hamata* (Romell) Ryvarden, *Coriopsis byrsina* (Mont.) Ryvarden, *Fomitopsis cupreorosea* (Berk.) J. Carranza and Gilb., *Ganoderma resinaceum* Boud., *Inonotus luteoumbrinus* (Romell) Ryvarden, *Lenzites stereoides* (Fr.) Ryvarden, *Nigroporus vinosus* (Berk.) Murrill, *Phylloporia pectinata* (Klotzsch) Ryvarden, *Polyporus tricholoma* Mont., *Porodisculus pendulus* (Schwein. ex Fries) Murrill, *Steccherinum rawakense* (Pers.) Banker, *Trametes modesta* (Kunze ex Fr.) Ryvarden, and *Trichaptum byssogenum* (Jungh.) Ryvarden) were not included in the list because the identification could not be confirmed.

CHECKLIST OF AGARICOMYCETES OF THE CERRADO

AGARICALES Underw.

Agaricaceae Chevall.

Crucibulum laeve (Huds.) Kambly, Gast. Iowa: 167, 1936.
Basionym: *Peziza laevis* Huds., Fl. Angl., Edn 2 2: 634, 1778.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 2.V.1999, I.G. Baseia SP307296; 11.VII.1999, I.G. Baseia SP307297.

Remark: The exsiccate SP307295 cited by Baseia and Milanez (2001a) and Gibertoni and Drechsler-Santos (2010) was not found in SP.

Nidularia pulvinata (Schwein.) Fr., Syst. mycol. (Lundae) 2(2): 301, 1823.

Basionym: *Cyathus pulvinatus* Schwein., Schr. naturf. Ges. Leipzig 1: 77, 1822.

Material examined: BRAZIL. São Paulo State: Luiz Antônio, Estação Ecológica de Jataí, 03.V.1999, I.G. Baseia SP307301; 08.VI.1999, I.G. Baseia SP307302.

Tulostoma exasperatum Mont., 1842.

Material examined: BRAZIL. São Paulo State: Itirapina, Estação Ecológica de Itirapina, 02.II.1999, I.G. Baseia SP307521; Luiz Antônio, Estação Ecológica de Jataí, 18.X.2000, I.G. Baseia SP307592; Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 29.III.2000, I.G. Baseia SP307522.

Amylocorticiaceae Jülich

* *Ceraceomyces corymbatus* (G. Cunn.) Stalpers, N.Z. Jl Bot. 23(2): 304, 1985.

Basionym: *Corticium corymbatum* G. Cunn., Trans. Roy. Soc. N.Z. 82: 324, 1954.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 21.X.2009, M.C. Abrahão SP416878.

Cyphellaceae Lotsy

* *Chondrostereum purpureum* (Pers.) Pouzar, Česká Mykol. 13(1): 17, 1959.

Basionym: *Stereum purpureum* Pers., Neues Mag. Bot. 1: 110, 1794.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 30.VI.2009, M.C. Abrahão SP416820; 06.VII.2009, M.C. Abrahão SP416821; 25.VIII.2009, M.C. Abrahão SP416822; 25.VIII.2009, M.C. Abrahão SP416823.

Mycenaceae Roze

Panellus pusillus (Pers. ex Lév.) Burds. and O.K. Mill., Beih. Nova Hedwigia 51: 85, 1975.

Basionym: *Gloeoporus pusillus* Pers. ex Lév., Annls Sci. Nat., Bot., sér. 3 2: 195, 1844.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 28.VIII.1979, V.L.R. Bononi SP156847.

Schizophyllaceae Quél.

Schizophyllum commune Fr., Observ. mycol. (Havniae) 1: 103, 1815.

Material examined: BRAZIL. São Paulo State: Brotas, km 216-217 Rodovia São Paulo-Brotas, 11.I.1962, O. Fidalgo and C.E.M. Bicudo SP61101; Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 20.V.1960, G. Eiten SP60936 (erroneously published as SP90936 by Bononi 1984); 01.IX.1960, G. Eiten SP102417; 10.VII.1961, G. Eiten SP112685; 20.IV.1961, G. Eiten SP112702; 21.IX.1978, R.A.P. Grandi SP142122; 16.IX.1977, V.L.R. Bononi SP142129, SP142130; 22.XI.1977, V.L.R. Bononi SP142160; 15.VIII.1978, V.L.R. Bononi SP142199; 20.I.1978, R.A.P. Grandi SP156807; 08.IV.1980, V.L.R. Bononi SP156978; 19.XI.1980, A.C. Filho SP157033; 29.I.1987, D.N. Pegler SP214360; 22.V.1995, A.M. Gugliotta SP251069, SP251070; 29.VI.2009, M.C. Abrahão SP416808; 25.VIII.2009, M.C. Abrahão SP416809, SP416810, SP416811.

* *Schizophyllum umbrinum* Berk., Hooker's J. Bot. Kew Gard. Misc. 3: 15, 1851.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 30.VI.2009, M.C. Abrahão SP416874; 25.VIII.2009, M.C. Abrahão SP416875, SP416876, SP416877.

ATHELIALES Jülich

Atheliaceae Jülich

* *Athelia arachnoidea* (Berk.) Jülich, Willdenowia, Beih. 7: 53, 1972.

Basionym: *Corticium arachnoideum* Berk., Ann. Mag. nat. Hist., Ser. 1 13: 345, 1844.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu,

Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.VIII.1978, V.L.R. Bononi SP142203.

AURICULARIALES J. Schröt.

Auriculariaceae Fr.

Auricularia fuscusuccinea (Mont.) Henn., Bot. Jb. 17: 19, 1893.

Basionym: *Exidia fuscusuccinea* Mont., Annls Sci. Nat., Bot., sér. 2 17: 125, 1842.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.VI.1977, V.L.R. Bononi SP142158 (as *Amphinema byssoides* (Pers.) J. Erikss. by Gibertoni and Drechsler-Santos 2010).

Auricularia polytricha (Mont.) Sacc., Atti Inst. Veneto Sci. lett., ed Arti, Sér. 3 3: 722, 1885.

Basionym: *Exidia polytricha* Mont., Voy. Indes Or., Bot. 2: 154, 1834.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 18.VIII.1977, V.L.R. Bononi SP142174.

CORTICIALES K.H. Larss.

Corticaceae Herter

Hyphoderma amoenum (Burt) Donk, Fungus, Wageningen 27: 14, 1957.

Basionym: *Peniophora amoena* Burt, Ann. Mo. bot. Gdn 12: 276, 1926.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 21.IX.1978, R.A.P. Grandi SP142120.

GLOEOPHYLLALES Thorn

Gloeophyllaceae Jülich

Gloeophyllum striatum (Sw.) Murrill, Bull. Torrey bot. Club 32(7): 370, 1905.

Basionym: *Agaricus striatus* Sw., Nov. Gen. Spec. Pl.: 148, 1788.

Material examined: BRAZIL. Goiás State: São Simão, 27.XII.1961, J.S. Furtado SP61107, SP61110; São Paulo State: Itirapina, km 205-206 Rodovia São Paulo-São Carlos, 12.I.1962, O. Fidalgo and C.E.M. Bicudo SP61097; Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 26.X.1955, M. Kuhlmann SP35570.

* *Mycobonia flava* (Sw.) Pat., Bull. Soc. mycol. Fr. 10: 77, 1894.

Basionym: *Peziza flava* Sw., Nov. Gen. Spec. Pl.: 150, 1788.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 20.IV.1961, G. Eiten SP106903; 02.II.1977, D.M. Vital SP141432; 25.I.1977, D.M. Vital SP141446; 01.IV.1991, A.E. Luchi SP251061.

HYMENOCHAETALES Oberw.

Hymenochaetaceae Imazeki and Toki

Cyclomyces iodinus (Mont.) Pat., in Duss, Enum. Champ. Guadeloupe (Lons-le-Saunier): 33, 1903.

Basionym: *Polyporus iodinus* Mont., Annls Sci. Nat., Bot. sér. 2, 16: 108, 1841.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 30.VI.2009, M.C. Abrahão SP416791; 26.VIII.2009, M.C. Abrahão SP416792; 27.IV.2010, M.C. Abrahão SP416793; 26.X.2010, M.C. Abrahão SP416794.

* *Fomitiporia maxonii* Murrill, N. Amer. Fl. (New York) 9(1): 11, 1907.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 18.VIII.1977, V.L.R. Bononi SP142170 (as *Phellinus robustus* f. *ressupinatus* Bourd. and Galz.by Bononi 1984); 16.IX.1977, V.L.R. Bononi SP142125, SP142134 (as *Phellinus punctatus* (Fr.) Pilát by Bononi 1984); 11.IV.1978, V.L.R. Bononi SP156775 (as *P. punctatus* by Bononi 1984), SP156786 (as *P. punctatus* by Bononi 1984); 21.IX.1978, R.A.P. Grandi SP156809 (as *P. punctatus* by Bononi 1984); 29.VI.2009, M.C. Abrahão SP416787; 06.VII.2009, M.C. Abrahão SP416790; 27.VII.2009, M.C. Abrahão SP416788; 20.X.2009, M.C. Abrahão SP416789.

* *Fuscoporia contigua* (Pers.) G. Cunn., Bull. N.Z. Dept. Sci. Industr. Res., Pl. Dis. Div. 73: 4, 1948.

Basionym: *Boletus contiguus* Pers., Syn. meth. fung. (Göttingen) 2: 544, 1801.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 10.XI.2011, M.C. Abrahão SP416807.

Fuscoporia gilva (Schwein.) T. Wagner and M. Fisch., Mycologia 94(6): 1013, 2002.

Basionym: *Boletus gilvus* Schwein., Schr. naturf. Ges. Leipzig 1: 96, 1822.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, G. Eiten SP60934; 16.IX.1977, V.L.R. Bononi SP142135, SP142139; 17.X.1977, V.L.R. Bononi SP142178, SP142180; 22.XI.1977, V.L.R. Bononi SP142147, SP142151; 20.I.1978, R.A.P. Grandi SP156806; 11.IV.1978, V.L.R. Bononi SP156779; 15.VIII.1978, V.L.R. Bononi SP142204; 21.IX.1978, R.A.P. Grandi SP156811; 12.XII.1978, V.L.R. Bononi SP142218; 24.V.1979, V.L.R. Bononi SP156752; 13.XI.1979, V.L.R. Bononi SP156931, SP156932, SP156933, SP156934, SP156935, SP156936, SP156937; 22.V.1995, A.M. Gugliotta SP251063, SP251064; 01.IV.1996, M. Capelari et al. SP251065; 07.V.1996, A.M. Gugliotta SP251106, SP251107; 10.VI.1996, A.M. Gugliotta SP251105; 27.VIII.2009, M.C. Abrahão SP416795; 20.X.2009, M.C. Abrahão SP416796; 09.XII.2009, M.C. Abrahão SP416797; 03.II.2010, M.C. Abrahão SP416798; 28.IV.2010, M.C. Abrahão SP416799; 16.II.2011, M.C. Abrahão SP416800; 06.IV.2011, M.C. Abrahão SP416801; São Carlos, Cerrado Itirapina, 12.I.1962, O. Fidalgo et al. SP61091, SP61098; 31.I.1962, O. Fidalgo et al. SP61149; 02.V.1962, L. Labouriau SP61140; São José dos Campos, 03.V.1962, I. Mimura SP61142.

* *Fuscoporia rhabarbarina* (Berk.) Groposo, Log.-Leite and Góes-Neto, Mycotaxon 101: 61, 2007.

Basionym: *Polyporus rhabarbarinus* Berk., Ann. Mag. nat. Hist., ser. 1, 3: 388, 1839.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu,

Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.V.1995, A.M. Gugliotta SP251115 (erroneously published as SP251114 by Gugliotta 1997).

Hymenochaete berkeleyana (Mont.) Cooke, Grevillea 8(48): 147, 1880.

Basionym: *Stereum berkeleyanum* Mont., Annls Sci. Nat., Bot., sér. 4, 1: 140, 1854.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 11.IV.1977, V.L.R. Bononi SP142193 (as *Hymenochaete cacao* (Berk.) Berk. and M.A. Curtis by Bononi 1984).

* *Hymenochaete corrugata* (Fr.) Lév., Annls Sci. Nat., Bot., sér. 3, 5: 152, 1846.

Basionym: *Thelephora corrugata* Fr., Observ. mycol. (Havniae) 1: 134, 1815.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 11.IV.1978, V.L.R. Bononi SP156781 (as *Hymenochaete unicolor* Berk. and M.A. Curtis by Bononi 1984); 27.VIII.2009, M.C. Abrahão SP416772; 21.X.2009, M.C. Abrahão SP416773.

Hymenochaete damicornis (Link) Lév., Annls Sci. Nat., Bot., sér. 3, 5: 151, 1846.

Basionym: *Stereum damicorne* Link, Mag. Gesell. naturf. Freunde, Berlin 3(1-2): 40, 1809.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 09.XII.2009, M.C. Abrahão SP416812, SP416813; 01.II.2010, M.C. Abrahão SP416815; 15.II.2011, M.C. Abrahão SP416814.

@ *Hymenochaete digitata* Burt, Ann. Mo. bot. Gdn. 5: 347, 1918.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 29.VI.2009, M.C. Abrahão SP416782; 30.VI.2009, M.C. Abrahão SP416783; 25.VIII.2009, M.C. Abrahão SP416784, SP416785.

@ *Hymenochaete opaca* Burt, Ann. Mo. bot. Gdn. 5: 364, 1918.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 25.VIII.2009, M.C. Abrahão SP416778; 21.X.2009, M.C. Abrahão SP416779; 23.VI.2010, M.C. Abrahão SP416780.

* *Hymenochaete pinnatifida* Burt, Ann. Mo. bot. Gdn. 5: 355, 1918.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 01.II.2010, M.C. Abrahão SP416781.

* *Hymenochaete rheicolor* (Mont.) Lév., Annls Sci. Nat., Bot., sér. 3, 5: 151, 1846.

Basionym: *Stereum rheicolor* Mont., Annls Sci. Nat., Bot., sér. 2, 18: 23, 1842.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu,

Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 10.VII.1961, G. Eiten SP102588; 15.III.1978, R.A.P. Grandi SP156802 (as *Hymenochaete berkeleyana* (Mont.) Cooke by Bononi 1984 and listed in Gibertoni and Drechsler-Santos 2010); 17.III.1993, M. Capelari et al. SP251102, SP251103; 29.VI.2009, M.C. Abrahão SP416774; 26.VIII.2009, M.C. Abrahão SP416775; 03.II.2010, M.C. Abrahão SP416776; 06.IV.2010, M.C. Abrahão SP416777.

Hymenochaete tenuis Peck, Ann. Rep. N.Y. St. Mus. 40: 57, 1887.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 06.VII.2009, M.C. Abrahão SP416769; 27.VIII.2009, M.C. Abrahão SP416770; 27.IV.2010, M.C. Abrahão SP416771; São Carlos, Cerrado Itirapina, 31.I.1962, O. Fidalgo et al. SP61141, SP61170.

* *Phellinus chryseus* (Lév.) Ryvarden, Ryvarden and Johansen, Prelim. Polyp. Fl. E. Afr. (Oslo): 151, 1980.

Basionym: *Polyporus chryseus* Lév., Annls Sci. Nat., Bot., sér. 3, 5: 301, 1846.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 21.X.2009, M.C. Abrahão SP416802.

* *Phellinus punctatiformis* (Murrill) Ryvarden, Norw. J. Bot. 19: 235, 1972.

Basionym: *Fomitiporia punctatiformis* Murrill, Bull. Torrey bot. Club 65: 659, 1938.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.XI.1977, V.L.R. Bononi SP142142 (as *Phellinus punctatus* (Fr.) Pilát by Bononi 1984), SP142149 (as *P. punctatus* by Bononi 1984); 09.XII.2009, M.C. Abrahão SP416881.

* *Phylloporia chrysites* (Berk.) Ryvarden, Norw. J. Bot. 19: 235, 1972.

Basionym: *Polyporus chrysites* Berk., Hooker's J. Bot. Kew Gard. Misc. 8: 233, 1856.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 03.VI.1996, M. Capelari et al. SP251108, SP251109; 21.X.2009, M.C. Abrahão SP416803; 02.II.2010, M.C. Abrahão SP416804; 15.II.2011, M.C. Abrahão SP416805; 07.VI.2011, M.C. Abrahão SP416806.

Phylloporia spathulata (Hook.) Ryvarden, Syn. Fung. (Oslo) 5: 196, 1991.

Basionym: *Boletus spathulatus* Hook., in Kunth, Syn. Plantarum, Quas in Itinere ad Plagam Aequinoctialem Orbis Novi, Colleguerunt Al. de Humboldt et Am. Bonpland (Paris) 1: 9, 1822.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 02.II.2010, M.C. Abrahão SP416880; São Carlos, Cerrado Itirapina, 31.I.1962, O. Fidalgo et al. SP61160.

Rickenellaceae Vizzini

@ *Cotylidia undulata* (Fr.) P. Karst., Revue mycol., Toulouse 3(9): 22, 1881.

Basionym: *Thelephora undulata* Fr., Elench. fung. (Greifswald) 1: 164, 1828.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 13.IV.1993, A.E. Luchi SP251062.

* *Peniophorella rude* (Bres.) K.H. Larss., Mycol. Res. 111(2): 192, 2007.

Basionym: *Odontia rudis* Bres., Annls mycol. 18(1/3): 42, 1920.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 16.IX.1977, V.L.R. Bononi SP142187.

Resinicium granulare (Burt) Sheng H. Wu, Acta bot. fenn. 142: 35, 1990.

Basionym: *Corticium granulare* Burt, Ann. Mo. bot. Gdn. 10: 187, 1923.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.VIII.1978, V.L.R. Bononi SP142198, SP142215.

* *Sidera lenis* (P. Karst.) Miettinen, in Miettinen and Larsson, Mycol. Progr. 10(2): 136, 2011.

Basionym: *Physisporus lenis* P. Karst., in Rabenhorst, Fungi europ. exsicc.: no. 3527, 1886.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 30.I.1987, L. Ryvarden et al. SP213247.

Schizoporaceae Jülich

* *Echinoporia aculeifera* (Berk. and M.A. Curtis) Ryvarden, Mycotaxon 20(2): 330, 1984.

Basionym: *Trametes aculeifera* Berk. and M.A. Curtis, J. Linn. Soc., Bot. 10(45): 319, 1868.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 25.VIII.2009, M.C. Abrahão SP416885; 27.VIII.2009, M.C. Abrahão SP416886; 09.XII.2009, M.C. Abrahão SP416887; 02.II.2010, M.C. Abrahão SP416888; 24.VIII.2010, M.C. Abrahão SP416889.

Oxyporus pellicula (Jungh.) Ryvarden, in Ryvarden and Johansen, Prelim. Polyp. Fl. E. Afr. (Oslo): 455, 1980.

Basionym: *Polyporus pellicula* Jungh., Verh. Batav. Genootsch. Kunst. Wet. 17: 44, 1838.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 17.III.1993, M. Capelari et al. SP250908.

* *Schizopora flavipora* (Berk. and M.A. Curtis ex Cooke) Ryvarden, Mycotaxon 23: 186, 1985.

Basionym: *Poria flavipora* Berk. and M.A. Curtis ex Cooke, Grevillea 15(73): 25, 1886.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.XI.1977, V.L.R. Bononi SP142141; 11.IV.1978, V.L.R. Bononi SP156774, SP156787; 15.VIII.1978, V.L.R. Bononi SP142200, 142205; 20.X.2009, M.C. Abrahão SP416886; 01.II.2010, M.C. Abrahão SP416827; 22.VI.2010, M.C. Abrahão SP416828; 09.XI.2011, M.C. Abrahão SP416829.

* *Schizopora paradoxa* (Schrad.) Donk, Persoonia 5(1): 76, 1967.

Basionym: *Hydnum paradoxum* Schrad., Spicil. fl. germ. 1: 179, 1794.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.XI.1977, V.L.R. Bononi SP142143; 15.III.1978, R.A.P. Grandi SP156794 (as *Poria papyracea* (Schwein.) Cooke by Bononi 1984, as *Pachykytospora papyracea* (Schwein.) Ryvarden by Gibertoni and Drechsler-Santos 2010); 17.III.1993, M. Capelari et al. SP250909; 22.V.1995, A.M. Gugliotta SP251072; 29.VI.2009, M.C. Abrahão SP416830; 25.VIII.2009, M.C. Abrahão SP416831; 20.X.2009, M.C. Abrahão SP416832; 06.IV.2011, M.C. Abrahão SP416833.

POLYPORALES Gäum.

Fomitopsidaceae Jülich

@ *Anomoloma myceliosum* (Peck) Niemelä and K.H. Larss., in Niemelä, Larsson, Dai and Larsson, Mycotaxon 100: 313, 2007.

Basionym: *Poria myceliosa* Peck, Ann. Rep. N.Y. St. Mus. nat. Hist. 54: 952, 1902.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.III.1978, R.A.P. Grandi SP156801 (as *Tyromyces leucomallus* (Peck.) Murr. by Bononi 1984, as *T. leucomallus* (Berk. and M.A. Curtis) Murrill by Gibertoni and Drechsler-Santos 2010).

* *Daedalea aethalodes* (Mont.) Rajchenb., Can. J. Bot. 64(8): 2130, 1986.

Basionym: *Trametes aethaloides* Mont., Annls Sci. Nat., Bot., sér. 4, 5: 370, 1857.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 28.IV.2010, M.C. Abrahão SP416938; 23.VI.2010, M.C. Abrahão SP416939; 06.IV.2011, M.C. Abrahão SP416940.

Fomitella supina (Sw.) Murrill, Bull. Torrey bot. Club 32(7): 365, 1905.

Basionym: *Boletus supinus* Sw., Fl. Ind. Occid. 3: 1926, 1806.

Material examined: BRAZIL. São Paulo State: Nova Europa, 27.I.1962, J.R.P. Castro and J.S. Furtado SP61174.

Ganodermataceae Donk

* *Amauroderma praetervisum* (Pat.) Torrend, Brotéria, sér. bot. 18: 131, 1920.

Basionym: *Ganoderma praetervisum* Pat., Bull. Soc. mycol. Fr. 5(2,3): 78, 1889.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 05.IV.2011, M.C. Abrahão SP416981.

* *Amauroderma rude* (Berk.) Torrend, Brotéria, sér. bot. 18: 127, 1920.

Basionym: *Fomes rudis* Berk., Grevillea 13(68): 117, 1885.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-

Guaçu, 23.VI.2010, M.C. Abrahão SP416980.

* *Ganoderma australe* (Fr.) Pat., Bull. Soc. mycol. Fr. 5: 65, 1890.

Basionym: *Polyporus australis* Fr., Elench. fung. (Greifswald) 1: 108, 1828.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 26.X.1955, M. Kuhlmann SP35458; 28.VIII.1979, V.L.R. Bononi SP156845; 22.X.1980, A.C. Filho SP157030; 17.XI.1980, A.C. Filho SP157032; 27.IV.1992, A.E. Luchi SP251066, SP251067; 22.V.1995, A.M. Gugliotta SP251068; 07.V.1996, A.M. Gugliotta SP251104; 25.VIII.2009, M.C. Abrahão SP417007; 06.IV.2011, M.C. Abrahão SP417008.

* *Ganoderma multiplicatum* (Mont.) Pat., Bull. Soc. mycol. Fr. 5(2,3): 74, 1889.

Basionym: *Polyporus multiplicatus* Mont., Annls Sci. Nat., Bot., sér. 4, 1: 128, 1854.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 10.XI.2011, M.C. Abrahão SP417009.

@ *Ganoderma tuberculosum* Murrill, N. Amer. Fl. (New York) 9(2): 123, 1908.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 18.VIII.1977, V.L.R. Bononi SP142173 (as *Ganoderma resinaceum* Boud. by Bononi 1984).

Ganoderma zonatum Murrill, Bull. Torrey bot. Club 29: 606, 1902.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 06.IV.2011, M.C. Abrahão SP417010, SP417258.

Meripilaceae Jülich

Hydnopolyporus fimbriatus (Fr.) D.A. Reid, Persoonia 2(2): 151, 1962.

Basionym: *Polyporus fimbriatus* Fr., Linnaea 5: 520, 1830.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 09.XII.2009, M.C. Abrahão SP416992; 02.II.2010, M.C. Abrahão SP416993, SP416994, SP416995.

Remark: The exsiccate SP156846 published by Bononi (1984) as *Stromatoscypha fimbriata* (Pers. ex Fr.) Donk and listed by Gibertoni and Drechsler-Santos (2010) as *Hydnopolyporus fimbriatus* was revised and is a sterile *Schizopora* sp.

Hydnopolyporus palmatus (Hook.) O. Fidalgo, Mycologia 55(6): 715, 1963.

Basionym: *Hydnum palmatum* J.M. Hook, Syn. pl. 1: 11, 1822.

Material examined: BRAZIL. São Paulo State: Bragança Paulista, 12.IV.1960, G. Eiten SP60930.

* *Rigidoporus lineatus* (Pers.) Ryvarden, Norw. Jl Bot. 19: 236, 1972.

Basionym: *Polyporus lineatus* Pers., Gaudichaud Bot. Frey. Voy. Monde: 174, 1827.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 05.IV.2011, M.C. Abrahão SP416900.

Rigidoporus microporus (Sw.) Overeem, Icon. Fung. Malay. 5: 1, 1924.

Basionym: *Boletus microporus* Sw., Fl. Ind. Occid. 3: 1925, 1806.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 19.II.1992, A.E. Luchi SP250904; 14.IV.1992, A.E. Luchi SP250886, SP250887; 16.III.1993, M. Capelari et al. SP250888; 17.III.1993, M. Capelari et al. SP250885; 08.XII.2009, M.C. Abrahão SP416903; 07.VI.2011, M.C. Abrahão SP416901, SP416902.

Meruliaceae P. Karst.

Bulbillomyces farinosus (Bres.) Jülich, Persoonia 8(1): 69, 1974.

Basionym: *Kneiffia farinosa* Bres., Annls mycol. 1(2): 105, 1903.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.VIII.1978, V.L.R. Bononi SP142210.

* *Cymatoderma caperatum* (Berk. and Mont.) D.A. Reid, Kew Bull. 10: 635, 1956.

Basionym: *Thelephora caperata* Berk. and Mont., Annls Sci. Nat., Bot., sér. 3, 11: 241, 1849.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 08.XII.2009, M.C. Abrahão SP416997; 27.IV.2010, M.C. Abrahão SP416998.

* *Gloeoporus dichrous* (Fr.) Bres., Hedwigia 53: 74, 1913.

Basionym: *Polyporus dichrous* Fr., Observ. mycol. (Havniae) 1: 125, 1815.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.V.1995, A.M. Gugliotta SP251098; 26.VIII.2009, M.C. Abrahão SP416961; 20.X.2010, M.C. Abrahão SP416962, SP416963.

@ *Gloeoporus purpurascens* (Corner) Hjortstam, Mycotaxon 54: 186, 1995.

Basionym: *Merulius purpurascens* Corner, Gdns Bull., Singapore 25: 370, 1971.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 16.IX.1977, V.L.R. Bononi SP142127; 20.X.2009, M.C. Abrahão SP416929; 08.XII.2009, M.C. Abrahão SP416930.

Gloeoporus thelephoroides (Hook.) G. Cunn., Bull. N.Z. Dept. Sci. Industr. Res., Pl. Dis. Div. 164: 111, 1965.

Basionym: *Boletus thelephoroides* Hook., in Kunth, Syn. pl. 1: 10, 1822.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.V.1995, A.M. Gugliotta SP251071, SP251100; 09.XII.2009, M.C. Abrahão SP416908; 26.X.2010, M.C. Abrahão SP416909; 15.II.2011, M.C. Abrahão 1611.

Hyphoderma amoenum (Burt) Donk, Fungus, Wageningen 27: 14, 1957.

Basionym: *Peniophora amoena* Burt, Ann. Mo. bot. Gdn 12: 276, 1926.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 21.IX.1978, R.A.P. Grandi SP142120.

Irpex lacteus (Fr.) Fr., Elench. fung. (Greifswald) 1: 142, 1828.

Basionym: *Sistotrema lacteum* Fr., Observ. mycol. (Havniae) 2: 266, 1818.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 20.IV.1960, G. Eiten and L.T. Eiten SP60937; 15.VIII.1978, V.L.R. Bononi SP142202; 08.IV.1980, V.L.R. Bononi SP156976; 05.VIII.1980, V.L.R. Bononi SP157002; 25.VIII.2009, M.C. Abrahão SP416882; 20.X.2009, M.C. Abrahão SP416883; 05.IV.2011, M.C. Abrahão SP416884. Remark: The exsiccate SP142195 cited by Bononi (1984) and Gibertoni and Drechsler-Santos (2010) was not found in SP.

* *Junghuhnia luteoalba* (P. Karst.) Ryvarden, Persoonia 7(1): 18, 1972.

Basionym: *Physisporus luteoalbus* P. Karst., Revue mycol., Toulouse 9: 10, 1887.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 11.IV.1978, V.L.R. Bononi SP156788.

Junghuhnia undigera (Berk. and M.A. Curtis) Ryvarden, Mycotaxon 20(2): 359, 1984.

Basionym: *Polyporus undiger* Berk. and M.A. Curtis, J. Linn. Soc., Bot. 10(45): 317, 1868.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.V.1995, A.M. Gugliotta SP251099; 07.V.1996, A.M. Gugliotta SP251097; 09.XI.2011, M.C. Abrahão SP416931.

* *Mutatoderma heterocystidiatum* (Burt) C.E. Gómez, in Gómez and Loewenbaum, Boln Soc. argent. Bot. 17(3-4): 346, 1976.

Basionym: *Peniophora heterocystidiata* Burt, Ann. Mo. bot. Gdn 12(3): 293, 1926.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 24.V.1979, V.L.R. Bononi SP156750.

* *Podoscypha aculeata* (Berk. and M.A. Curtis) Boidin, Revue Mycol., Paris 24: 210, 1959.

Basionym: *Thelephora aculeata* Berk. and M.A. Curtis, Grevillea 1(10): 149, 1873.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 02.II.2010, M.C. Abrahão SP416956; 05.IV.2011, M.C. Abrahão SP416957.

* *Podoscypha ravenelii* (Berk. and M.A. Curtis) Pat., Essai Tax. Hyménomyc. (Lons-le-Saunier): 71, 1900.

Basionym: *Stereum ravenelii* Berk. and M.A. Curtis,

Grevillea 1(11): 162, 1873.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 08.XII.2009, M.C. Abrahão SP416953; 09.XII.2009, M.C. Abrahão SP416954; 02.II.2010, M.C. Abrahão SP416955.

* *Scopuloides rimosa* (Cooke) Jülich, Persoonia 11(4): 422, 1982.

Basionym: *Peniophora rimosa* Cooke, Grevillea 9(51): 94, 1881.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 27.VII.2009, M.C. Abrahão SP416834; 24.VIII.2009, M.C. Abrahão SP416835; 25.VIII.2009, M.C. Abrahão SP416836, SP416840; 27.VIII.2009, M.C. Abrahão SP416837; 15.II.2011, M.C. Abrahão SP416838, SP416839.

Steccherinum hydneum Rick ex Maas Geest., Persoonia 7(4): 506, 1974.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.I.1979, V.L.R. Bononi SP142239.

Steccherinum reniforme (Berk. and M.A. Curtis) Banker, Mem. Torrey bot. Club 12: 127, 1906.

Basionym: *Hydnum reniforme* Berk. and M.A. Curtis, J. Linn. Soc., Bot. 10(46): 325, 1868.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 28.VIII.1979, V.L.R. Bononi SP156850; 25.VIII.2009, M.C. Abrahão SP416895; 27.IV.2010, M.C. Abrahão SP416896; 09.XI.2011, M.C. Abrahão SP416897, SP416898; 10.XI.2011, M.C. Abrahão SP416899.

Phanerochaetaceae Jülich

Byssomerulius corium (Pers.) Parmasto, Eesti NSV Tead. Akad. Toim., Biol. seer 16(4): 383, 1967.

Basionym: *Thelephora corium* Pers., Syn. meth. fung. (Göttingen) 2: 574, 1801.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.IX.1977, V.L.R. Bononi SP142128; São Simão, 27.XII.1961, J.S. Furtado SP61104.

* *Ceriporia spissa* (Schwein. ex Fr.) Rajchenb., Mycotaxon 17: 276, 1983.

Basionym: *Polyporus spissus* Schwein. ex Fr., Elench. fung. (Greifswald) 1: 111, 1828.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 21.X.2009, M.C. Abrahão SP416879.

Ceriporia xylostromatoides (Berk.) Ryvarden, in Ryvarden and Johansen, Prelim. Polyp. Fl. E. Afr. (Oslo): 276, 1980.

Basionym: *Polyporus xylostromatoides* Berk., J. Linn. Soc., Bot. 2: 637, 1873.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.I.1979, V.L.R. Bononi SP142240.

Phanerochaete sordida (P. Karst.) J. Erikss. and Ryvarden,

Cortic. N. Eur. (Oslo) 5: 1023, 1978.

Basionym: *Corticium sordidum* P. Karst., Meddn Soc.

Fauna Flora fenn. 9: 65, 1882.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 20.X.2009, M.C. Abrahão SP416824; 09.XII.2009, M.C. Abrahão SP416825.

Phlebiopsis flavidoalba (Cooke) Hjortstam, Windahlia 17: 58, 1987.

Basionym: *Peniophora flavidoalba* Cooke, Grevillea 8(45): 21, 1879.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 16.IX.1977, V.L.R. Bononi SP142136.

Polyporaceae Fr. ex Corda

Corioloopsis caperata (Berk.) Murrill, N. Amer. Fl. (New York) 9(2): 77, 1908.

Basionym: *Polyporus caperatus* Berk., Grevillea 9(51): 98, 1881.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.III.1993, M. Capelari et al. SP250899, SP250900; 16.III.1993, M. Capelari et al. SP250804; 27.VIII.2009, M.C. Abrahão SP416983; 08.XII.2010, M.C. Abrahão SP416984; 15.II.2011, M.C. Abrahão SP416985.

Corioloopsis floccosa (Jungh.) Ryvardeen, Norw. Jl Bot. 19(3-4): 230, 1972.

Basionym: *Polyporus floccosus* Jungh., Praem. Fl. Crypt. Javae (Batavia): 49, 1838.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, VI.1991, R. Carrenho SP250914; 16.III.1993, M. Capelari et al. SP250924; 17.III.1993, M. Capelari et al. SP250913; 22.V.1995, A.M. Gugliotta SP250922, SP250923; 07.V.1996, A.M. Gugliotta SP251087, SP251088; 10.V.1996, A.M. Gugliotta SP251089; 30.VI.2009, M.C. Abrahão SP416937; 25.VIII.2009, M.C. Abrahão SP416933, SP416934; 20.X.2009, M.C. Abrahão SP416935; 08.VI.2011, M.C. Abrahão SP416936.

Corioloopsis polyzona (Pers.) Ryvardeen, Norw. Jl Bot. 19: 230, 1972.

Basionym: *Polyporus polyzonus* Pers., in Gaud., Voy. Aut. Monde: 170, 1827.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 16.IX.1977, V.L.R. Bononi SP142124.

* *Datronia mollis* (Sommerf.) Donk, Persoonia 4(3): 338, 1966.

Basionym: *Daedalea mollis* Sommerf., Suppl. Fl. lapp. (Oslo): 271, 1826.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 25.VIII.2009, M.C. Abrahão SP416969; 08.XII.2009, M.C. Abrahão SP416970.

* *Dichomitus cavernulosus* (Berk.) Masuka and Ryvardeen, Mycol. Res. 103(9): 1127, 1999

Basionym: *Polyporus cavernulosus* Berk., Hooker's J. Bot. Kew Gard. Misc. 8: 235, 1856.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 29.VI.2009, M.C. Abrahão SP416866, SP416861; 26.VIII.2009, M.C. Abrahão SP416862; 27.VIII.2009, M.C. Abrahão SP416864; 20.X.2010, M.C. Abrahão SP416865; 09.XI.2011, M.C. Abrahão SP416863.

* *Dichomitus setulosus* (Henn.) Masuka and Ryvardeen, Mycol. Res. 103(9): 1130, 1999.

Basionym: *Poria setulosa* Henn., Bot. Jb. 28: 321, 1901.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 30.VI.2009, M.C. Abrahão SP416949; 07.VII.2009, M.C. Abrahão SP416945; 25.VIII.2009, M.C. Abrahão SP416946; 26.VIII.2009, M.C. Abrahão SP416947; 09.XII.2009, M.C. Abrahão SP416948.

* *Echinochaete brachypora* (Mont.) Ryvardeen, Bull. Jard. Bot. Nat. Belg. 48: 101, 1978.

Basionym: *Polyporus brachyporus* Mont., Annls Sci. Nat., Bot., sér. 4, 1: 131, 1854.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 29.X.1960, E. Kuhn SP53452.

Epithelopsis fulva (G. Cunn.) Jülich, Persoonia 8(4): 457, 1976.

Basionym: *Epithele fulva* G. Cunn., Trans. Roy. Soc. N.Z. 83: 631, 1956.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 16.IX.1977, V.L.R. Bononi SP142138.

Fomes fasciatus (Sw.) Cooke, Grevillea 14(69): 21, 1885.

Basionym: *Boletus fasciatus* Sw., Fl. Ind. Occid. 3: 1922, 1788.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 26.X.1955, M. Kuhlmann SP35457; 22.IV.1991, A.E. Luchi SP250906; 15.III.1993, M. Capelari et al. SP250907; 22.V.1995, A.M. Gugliotta SP250917; 25.VIII.2009, M.C. Abrahão SP416990; 05.IV.2011, M.C. Abrahão SP416991.

* *Grammothele subargentea* (Speg.) Rajchenb., Mycotaxon 17: 280, 1983.

Basionym: *Poria subargentea* Speg., Revista Argent. Hist. Nat. 1(2): 104, 1891.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 06.VII.2009, M.C. Abrahão SP416958; 26.VIII.2009, M.C. Abrahão SP416959; 02.II.2010, M.C. Abrahão SP416960.

Hapalopilus phlebiiformis (Berk. ex Cooke) Ryvardeen, Mycotaxon 28(2): 528, 1987.

Basionym: *Poria phlebiiformis* Berk. ex Cooke, Grevillea 15(73): 24, 1886.

Material examined: BRAZIL. São Paulo State: São Carlos, Itirapina Cerrado, 30.I.1962, O. Fidalgo et al. SP61143,

SP61168.

Hexagonia hydroides (Sw.) M. Fidalgo, Mem. N. Y. bot. Gdn 17: 64, 1968.

Basionym: *Boletus hydroides* Sw., Fl. Ind. Occid. 3: 1942, 1806.

Material examined: BRAZIL. São Paulo State: Araraquara, 13.IV.1962, J. Saint-Clair SP61138; Brotas, 12.I.1962, O. Fidalgo SP61100; Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 18.VIII.1977, R.A.P. Grandi SP142171, SP142175; 09.X.1979, V.L.R. Bononi SP156902; VI.1991, R. Carrenho SP250901; 22.V.1995, R. Carrenho SP250916; 07.V.1996, A.M. Gugliotta SP251090, SP251092, SP251093; 26.VIII.2009, M.C. Abrahão SP416975; São Carlos, Itirapina Cerrado, 12.I.1962, O. Fidalgo and C.E.M. Bicudo SP61093; São Simão, 27.XII.1961, J.S. Furtado SP61108, SP61109.

Remark: The exsiccates SP156939 cited by Bononi (1984) and SP251091 cited by Gugliotta (1997) were not found in SP.

Hexagonia papyracea Berk., Ann. Mag. nat. Hist., Ser. 1, 10: 379, 1843.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 28.VIII.1979, V.L.R. Bononi SP156853; 07.V.1996, A.M. Gugliotta SP251096; 26.VIII.2009, M.C. Abrahão SP417005; 27.IV.2010, M.C. Abrahão SP417004.

* *Hexagonia scutigera* (Fr.) Fr. Epicrisis Systematis Mycologici: 497, 1838.

Basionym: *Polyporus scutiger* Fr., Elench. fung. (Greifswald) 1: 73, 1828.

Material examined: BRAZIL. São Paulo State: Nova Europa, 27.I.1961, J.R.P. Castro and J.S. Furtado SP61175.

Lenzites elegans (Spreng.) Pat., Essai Tax. Hyménomyc. (Lons-le-Saunier): 89, 1900.

Basionym: *Daedalea elegans* Spreng., K. svenska Vetensk-Akad. Handl. 41: 51, 1820.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 25.VIII.2009, M.C. Abrahão SP416982.

Remark: The exsiccates SP61095 and SP61105 cited by Fidalgo *et al.* (1965) and Gibertoni and Drechsler-Santos (2010) were not found in SP.

Lopharia papyrina (Mont.) Boidin, Bull. mens. Soc. linn. Lyon 28: 210, 1959.

Basionym: *Stereum papyrinum* Mont., in Sagra, Historia física, polirica y naytural de la islea de Cuba 2: 374, 1842.

Material examined: BRAZIL. São Paulo State: São Carlos, Itirapina Cerrado, 31.I.1962, O. Fidalgo *et al.* SP61154.

Nigrofomes melanoporus (Mont.) Murrill, Bull. Torrey bot. Club 31(8): 425, 1904.

Basionym: *Polyporus melanoporus* Mont., Annls Sci. Nat., Bot., sér. 2, 17: 127, 1842.

Material examined: BRAZIL. São Paulo State: São Carlos, Itirapina Cerrado, 31.I.1962, O. Fidalgo *et al.* SP61169.

* *Pachykytospora alabamae* (Berk. and Cooke) Ryvarden, Norw. Jl Bot. 19: 233, 1972.

Basionym: *Polyporus alabamae* Berk. and Cooke, Grevillea 6(40): 130, 1878.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 30.VI.2009, M.C. Abrahão SP416869; 24.VIII.2009, M.C. Abrahão SP416870; 26.VIII.2009, M.C. Abrahão SP416871; 15.II.2011, M.C. Abrahão SP416872; 06.IV.2011, M.C. Abrahão SP416873.

Pachykytospora papyracea (Schwein.) Ryvarden, Norw. Jl Bot. 19: 233, 1972.

Basionym: *Boletus papyraceus* Schwein., Schr. naturf. Ges. Leipzig 1: 99, 1822.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 26.VIII.2009, M.C. Abrahão SP416841; 27.VIII.2009, M.C. Abrahão SP416842; 20.X.2009, M.C. Abrahão SP416843; 08.XII.2009, M.C. Abrahão SP416844.

Panus crinitus (L.) Singer, Lilloa 22: 275, 1951.

Basionym: *Agaricus crinitus* L., Sp. pl., Edn 2, 2: 1644, 1763.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 04.XI.1959, S.M. Campos SP46437; 01.IX.1960, G. Eiten SP102416, SP102418; 22.XI.1977, R.A.P. Grandi SP142155; 12.XII.1978, V.L.R. Bononi SP142222; 28.VIII.1979, V.L.R. Bononi SP156849; 13.XI.1979, V.L.R. Bononi SP156938; 17.XI.1980, V.L.R. Bononi SP157036; 27.VII.2009, M.C. Abrahão SP416971; 26.VIII.2009, M.C. Abrahão SP416972; 22.VI.2010, M.C. Abrahão SP416973; 08.VI.2011, M.C. Abrahão SP416974; Nova Europa, 27.I.1961, J.R.P. Castro and J.S. Furtado SP61178; São Carlos, Itirapina Cerrado, 12.I.1962, O. Fidalgo and C.E.M. Bicudo SP61096; 1962, L. Labouriau SP61137; 31.I.1962, O. Fidalgo *et al.* SP61164.

* *Panus strigellus* (Berk.) Overh., 1930.

Basionym: *Lentinus strigellus* Berk., J. Linn. Soc., Bot. 10(45): 302, 1868.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 19.XI.1980, A.C. Filho SP157035; 29.I.1987, D.N. Pegler *et al.* SP214393.

Perenniporia medulla-panis (Jacq.) Donk, Persoonia 5(1): 76, 1967.

Basionym: *Boletus medulla-panis* Jacq., Miscell. austriac. 1: 141, 1778.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 16.IX.1977, V.L.R. Bononi SP142183; 15.VIII.1978, V.L.R. Bononi SP142207 (as *Poria albostygia* (Berk. and Curt.) Lloyd by Bononi 1984, as *Rigidoporus vinctus* (Berk.) Ryvarden by Gibertoni and Drechsler-Santos 2010); 10.XI.2011, M.C. Abrahão SP416932; São Carlos, Itirapina Cerrado, 27.I.1961, J.S. Furtado SP61103.

* *Polyporus arcularius* (Batsch) Fr., Syst. mycol. (Lundae)

1: 342, 1821.

Basionym: *Boletus arcularius* Batsch, Elench. fung. (Halle): 97, 1783.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 09.XII.2009, M.C. Abrahão SP416928.

* *Polyporus ciliatus* Fr., Observ. mycol. (Havniae) 1: 123, 1815.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 08.XII.2010, M.C. Abrahão SP416922; 15.II.2011, M.C. Abrahão SP416923; 05.IV.2011, M.C. Abrahão SP416924.

Polyporus dictyopus Mont., Annls Sci. Nat., Bot., sér. 2, 3: 349, 1835.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 09.XII.2009, M.C. Abrahão SP416925, SP416926; 02.II.2010, M.C. Abrahão SP416927; São Carlos, Itirapina Cerrado, 12.I.1962, O. Fidalgo and C.E.M. Bicudo SP61087.

* *Polyporus guianensis* Mont., Annls Sci. Nat., Bot., sér. 2, 13(1): 201, 1840.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 08.XII.2009, M.C. Abrahão SP416919; 09.XII.2009, M.C. Abrahão SP416918; 02.II.2010, M.C. Abrahão SP416920, SP416921.

Polyporus lentinoides (Henn.) Lloyd, Mycol. Writ. 3 (Syn. Ovinus): 85, 1911.

Basionym: *Polyporus squamosus* var. *lentinoides* Henn., Hedwigia 43(3): 199, 1904.

Material examined: BRAZIL. São Paulo State: Bragança Paulista, 24.X.1960, G. Eiten and L. Eiten SP60935.

* *Polyporus leprieurii* Mont., Annls Sci. Nat., Bot., sér. 2, 13: 203, 1840.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 02.II.2010, M.C. Abrahão SP416914; 27.IV.2010, M.C. Abrahão SP416915; 15.II.2011, M.C. Abrahão SP416916; 07.VI.2011, M.C. Abrahão SP416917.

Polyporus philippinensis Berk., J. Bot., Lond. 1(3): 148, 1842.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 09.XII.2009, M.C. Abrahão SP416913.

* *Polyporus tenuiculus* (P. Beauv.) Fr., Syst. mycol. (Lundae) 1: 344, 1821.

Basionym: *Favolus tenuiculus* P. Beauv., Fl. Oware 1(8): 74 [tab. 43, fig. 2], 1806.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 26.X.1993, A.E. Luchi SP250898; 25.VIII.2009, M.C. Abrahão SP416910; 09.XII.2009, M.C. Abrahão SP416911; 02.II.2010, M.C. Abrahão SP416912.

Remark: The exsiccate SP250897 cited as *Favolus*

tenuiculus P. Beauv. by Gugliotta (1997) was not found in SP.

Pycnoporus sanguineus (L.) Murrill, Bull. Torrey bot. Club 31(8): 421, 1904.

Basionym: *Boletus sanguineus* L., Sp. pl., Edn 2, 2: 1646, 1763.

Material examined: BRAZIL. São Paulo State: Bragança Paulista, 23.VI.1960, G. Eiten and L. Eiten SP45717; Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 20.VI.1956, O. Handro SP53441; 12.XI.1959, G. Eiten SP60931; 10.XII.1959, G. Eiten SP60938; 18.VIII.1977, R.A.P. Grandi SP142169; 16.IX.1977, V.L.R. Bononi SP142131, SP142133, SP142190; 04.X.1977, V.L.R. Bononi SP142181, SP142182; 22.XI.1977, V.L.R. Bononi SP142145, SP142148, SP142150; 20.I.1978, R.A.P. Grandi SP156808; 15.III.1978, R.A.P. Grandi SP156800; 11.V.1978, V.L.R. Bononi SP156738, SP156773, SP156791, SP156792, SP156793; 18.VIII.1978, V.L.R. Bononi SP142206; 10.IX.1978, R.A.P. Grandi SP142216; 21.IX.1978, R.A.P. Grandi SP142121, SP142123; 12.XII.1978, V.L.R. Bononi SP142220; 13.XI.1979, V.L.R. Bononi SP156940; 08.IV.1980, V.L.R. Bononi SP156973; 22.X.1980, A.C. Filho SP157031; 17.XI.1980, V.L.R. Bononi SP157037, SP157038; VI.1991, R. Carrenho SP250903; 22.V.1995, R. Carrenho SP250915; 07.V.1996, A.M. Gugliotta SP251094, SP251095; 29.VI.2009, M.C. Abrahão SP416890; 30.VI.2009, M.C. Abrahão SP416891; 26.VIII.2009, M.C. Abrahão SP416893; 27.VIII.2009, M.C. Abrahão SP416894; São Carlos, Itirapina Cerrado, 12.I.1962, O. Fidalgo and C.E.M. Bicudo SP61086; 31.I.1962, O. Fidalgo et al. SP61145.

Remark: The exsiccates SP61150 and SP61163 cited by Fidalgo et al. (1965) were not found in SP.

Trametes incerta (Curr.) Cooke, Grevillea 15(74): 56, 1886.

Basionym: *Polyporus incertus* Curr., Trans. Linn. Soc. London, Bot., Ser. 2, 1(3): 123, 1876.

Material examined: BRAZIL. São Paulo State: Araraquara, 28.I.1961, J.S. Furtado SP58113.

* *Trametes ochracea* (Pers.) Gilb. and Ryvarden, N. Amer. Polyp., Vol. 2 Megasporoporia - Wrightoporia (Oslo): 752, 1987.

Basionym: *Boletus ochraceus* Pers., Ann. Bot. (Usteri) 11: 29, 1794.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 24.V.1979, V.L.R. Bononi SP156751 (as *Trametes hispida* Bagl. By Bononi 1984, as *Coriolopsis gallica* (Fr.) Ryvarden by Gibertoni and Drechsler-Santos 2010).

Trametes villosa (Sw.) Kreisel, Monografias, Ciencias, Univ. Habana, Ser. 4, 16: 83, 1971.

Basionym: *Boletus villosus* Sw., Fl. Ind. Occid. 3: 1923, 1806.

Material examined: BRAZIL. São Paulo State: Bragança Paulista, 22.VI.1960, G. Eiten and L.T. Eiten SP60929; Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 20.VI.1956, O. Handro SP54870; 21.IX.1978, R.A.P. Grandi SP142119 (as *Trametes rigida* Berk. and Mont. by Bononi 1984, as *Coriolopsis floccosa*

(Jungh.) Ryvarden by Gibertoni and Drechsler-Santos 2010); VI.1991, R. Carrenho SP250905 (erroneously published as SP250902 by Fidalgo *et al.* 1965); 29.VI.2009, M.C. Abrahão SP416986; 25.VIII.2009, M.C. Abrahão SP416987; 27.VIII.2009, M.C. Abrahão SP416988; 06.IV.2011, M.C. Abrahão SP416989; São Carlos, Itirapina Cerrado, 12.I.1962, O. Fidalgo and C.E.M. Bicudo SP61090; 31.I.1962, O. Fidalgo *et al.* SP61165; 16.V.1962, A.I. Milanez SP61139; São Simão, 27.XII.1961, J.S. Furtado SP61106. Remark: The exsiccate SP61092 cited by Fidalgo *et al.* (1965) as *Trametes pinsita* (Fr.) O. Fidalgo and M. Fidalgo and by Gibertoni and Drechsler-Santos (2010) as *T. villosa* was not found in SP.

Trichaptum sector (Ehrenb.) Kreisel, Monografias, Ciencias, Univ. Habana, Ser. 4, 16: 84, 1971.

Basionym: *Boletus sector* Ehrenb., in Nees von Esenbeck (ed.), Horae Phys. Berol.: 86, 1820.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 28.VIII.1979, V.L.R. Bononi SP156851; 05.IV.2011, M.C. Abrahão SP417002, SP417003.

Remark: The exsiccate SP35464 cited by Fidalgo *et al.* (1965) was not found in SP.

Trichaptum perrottetii (Lév.) Ryvarden, Norw. Jl Bot. 19: 237, 1972.

Basionym: *Trametes perrottetii* Lév., Annls Sci. Nat., Bot., sér. 3, 2: 195, 1844.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 30.VI.2009, M.C. Abrahão SP61148; 30.VI.2009, M.C. Abrahão SP61176; 30.VI.2009, M.C. Abrahão SP112252; 22.XI.1977, V.L.R. Bononi SP142159 (as *Melanoporia nigra* (Berk.) Murrill by Bononi 1984); V.1978, V.L.R. Bononi SP156789; 15.VIII.1978, V.L.R. Bononi SP142196 (as *M. nigra* by Bononi 1984), SP142197 (as *M. nigra* by Bononi 1984), SP142209, SP142214 (as *M. nigra* by Bononi 1984).

* *Truncospora ochroleuca* (Berk.) Pilát, Sb. Nár. Mus. v Praze, Rada B, Prír. Vedy 9(2): 108, 1953.

Basionym: *Polyporus ochroleucus* Berk., Hooker's J. Bot. Kew Gard. Misc. 4: 53, 1845.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 21.X.2009, M.C. Abrahão SP416965; 07.XII.2009, M.C. Abrahão SP416966; 08.XII.2009, M.C. Abrahão SP416967; 01.II.2010, M.C. Abrahão SP416968.

Tyromyces duracinus (Pat.) Murrill, N. Amer. Fl. (New York) 9(1): 37, 1907.

Basionym: *Leptoporus duracinus* Pat., Bull. Soc. mycol. Fr. 18(2): 174, 1902.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.V.1993, A.M. Gugliotta SP250918; 26.VIII.2009, M.C. Abrahão SP416904, SP416905; 02.II.2010, M.C. Abrahão SP416906; 27.IV.2010, M.C. Abrahão SP416907.

Tyromyces leucomallus (Berk. and M.A. Curtis) Murrill, N. Amer. Fl. (New York) 9(1): 36, 1907.

Basionym: *Polyporus leucomallus* Berk. and M.A. Curtis, J.

Linn. Soc., Bot. 10(45): 308, 1868.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 26.VIII.2009, M.C. Abrahão SP416941; 21.X.2009, M.C. Abrahão SP416942; 09.XII.2009, M.C. Abrahão SP416943; 24.VIII.2010, M.C. Abrahão SP416944.

RUSSULALES Jülich

Lachnocladiaceae Jülich

@ *Dichostereum sordulentum* (Cooke and Massee) Boidin and Lanq., Bull. trimest. Soc. mycol. Fr. 96(4): 384, 1981.

Basionym: *Corticium sordulentum* Cooke and Massee, Grevillea 16(79): 69, 1888.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 30.VI.2009, M.C. Abrahão SP417006.

* *Scytinostroma albocinctum* (Berk. and Broome) Boidin and Lanq., Kew Bull. 31(3): 621, 1976.

Basionym: *Stereum albocinctum* Berk. and Broome, J. Linn. Soc., Bot. 14(74): 66, 1873.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 11.IV.1978, V.L.R. Bononi SP156771 (erroneously published in duplicity by Bononi 1984 as *Coniophora atrocineria* Karst. and *Coniophora byssoidea* (Pers.) Fr., as *Coniophora olivacea* (Fr.) P. Karst. by Gibertoni and Drechsler-Santos 2010), SP156780; 15.VIII.1978, V.L.R. Bononi SP142211; 21.IX.1978, R.A.P. Grandi SP142118.

* *Scytinostroma duriusculum* (Berk. and Broome) Donk, Fungus 26: 20, 1956.

Basionym: *Stereum duriusculum* Berk. and Broome, J. Linn. Soc., Bot. 14(74): 66, 1873.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 26.VIII.2009, M.C. Abrahão SP416964.

Russulaceae Jülich

@ *Russula lutea* (Huds.) Gray, Nat. Arr. Brit. Pl. (London) 1: 618, 1821.

Basionym: *Agaricus luteus* Huds., Fl. Angl., Edn 2, 2: 611, 1778.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.III.1979, V.L.R. Bononi SP156745.

Stereaceae Jülich

@ *Aleurodiscus botryosus* Burt, Ann. Mo. bot. Gdn 5: 198, 1918.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 27.VII.2009, M.C. Abrahão SP416867; 08.XII.2009, M.C. Abrahão SP416868.

@ *Aleurodiscus cerussatus* (Bres.) Höhn. and Litsch., Sber. Akad. Wiss. Wien, Math.-naturw. Kl., Abt. 1, 116: 808, 1907.

Basionym: *Corticium cerussatum* Bres., Fung. trident. 2(8-10): 37, 1892.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 21.IX.1978, R.A.P. Grandi SP156810 (as *Coniophora*

arida (Fr.) P. Karst. by Bononi 1984); 29.VI.2009, M.C. Abrahão SP416816; 06.VII.2009, M.C. Abrahão SP416817; 26.VIII.2009, M.C. Abrahão SP416818, SP416819.

* *Aleurodiscus exasperatus* Hjortstam and Ryvar den, Mycotaxon 47: 83, 1993.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 24.VIII.2009, M.C. Abrahão SP416996.

Gloeocystidiopsis salmonea (Burt) Boidin, Lanq. and Gilles, Bull. trimest. Soc. mycol. Fr. 113(1): 43, 1997.

Basionym: *Corticium salmoneum* Burt, Ann. Mo. bot. Gdn 13(3): 255, 1926.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 16.IX.1977, V.L.R. Bononi SP142137.

Gloeodontia discolor (Berk. and M.A. Curtis) Boidin, Cahiers de La Maboké 4(1): 22, 1966.

Basionym: *Irpex discolor* Berk. and M.A. Curtis, Grevillea 1(3): 45, 1872.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.XI.1977, V.L.R. Bononi SP142144; 15.III.1979, V.L.R. Bononi SP156742.

Stereum ostrea (Blume and T. Nees) Fr., Epicr. syst. mycol. (Upsaliae): 547, 1838.

Basionym: *Thelephora ostrea* Blume and T. Nees, Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur. 13: 13, 1826.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.IV.1960, G. Eiten SP60928; 15.III.1993, M. Capelari et al. SP251059; 17.III.1993, M. Capelari et al. SP251060; 17.III.1993, A.E. Luchi SP251058; 26.VIII.2009, M.C. Abrahão SP416950; 22.VI.2010, M.C. Abrahão SP416951; 06.IV.2011, M.C. Abrahão SP416952; São Carlos, Itirapina Cerrado, 31.I.1962, O. Fidalgo and C.E.M. Bicudo SP61172.

THELEPHORALES Corner ex Oberw.

Thelephoraceae Jülich

@ *Thelephora atrocitrina* Quél., Mém. Soc. Émul. Montbéliard, Sér. 2, 5: 443, 1875.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 28.VIII.1979, V.L.R. Bononi SP156852.

Thelephora dentosa Berk. and M.A. Curtis, J. Linn. Soc., Bot. 10(46): 329, 1868.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 18.VIII.1977, V.L.R. Bononi SP142165.

@ *Thelephora lilacina* (Batsch) Pers., Syn. meth. fung. (Göttingen) 2: 572, 1801.

Basionym: *Helvella lilacina* Batsch, Elench. fung., cont. prim. (Halle): 187, 1786.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 09.IX.1979, V.L.R. Bononi SP156954; 08.IV.1980,

V.L.R. Bononi SP156980.

Tomentella ferruginea (Pers.) Pat., Hyménomyc. Eur. (Paris): 154, 1887.

Basionym: *Corticium ferrugineum* Pers., Observ. mycol. (Lipsiae) 2: 18, 1800.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.VIII.1978, V.L.R. Bononi SP142194, SP142201.

Tomentella galzinii Bourdot, Bull. trimest. Soc. mycol. Fr. 40(2): 143, 1924.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.VIII.1978, V.L.R. Bononi SP142212.

Tomentella subclavigera Litsch., Bull. trimest. Soc. mycol. Fr. 49: 57, 1933.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 18.VIII.1977, V.L.R. Bononi SP142163 (erroneously published as SP141263 by Bononi 1984).

Excluded reports from the Cerrado Brazilian checklist:

After reviewing exsiccates deposited in Herbarium SP that represents practically all material mentioned from Cerrado, some taxa were excluded from the checklist. While some specimens were revised and re-identified, others could not be confirmed for being sterile or in bad conservation conditions, and are listed in alphabetical order.

Amphinema byssoides (Pers.) J. Erikss., Symb. bot. upsal. 16(1): 112, 1958.

Basionym: *Thelephora byssoides* Pers., Syn. meth. fung. (Göttingen) 2: 577, 1801.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 11.IV.1978, V.L.R. Bononi SP156771.

Remarks: Bononi (1984) referred this taxon as *Coniophora byssoides* (Pers.) Fr. (SP156771) and Gibertoni and Drechsler-Santos (2010) cited as *Amphinema byssoides* (erroneously as SP142158). The exsiccate SP156771 was revised and re-identified as *Scytinostroma albocinctum*, and SP142158 is *Auricularia fuscossuccinea*.

Byssoporia terrestris (DC.) M.J. Larsen and Zak, Can. J. Bot. 56: 1123, 1978.

Basionym: *Boletus terrestris* DC., in de Candolle and Lamarck, Fl. franç., Edn 3 (Paris) 5/6: 39, 1815.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 11.IV.1978, V.L.R. Bononi SP156782.

Remark: Bononi (1984) referred this taxon as *Poria terrestris* (DC. ex Fr.) Sacc. and Gibertoni and Drechsler-Santos (2010) as *Byssoporia terrestris*, but the identification was not confirmed because the material was sterile.

Chondrostereum coprosmae (G. Cunn.) Stalpers, N.Z. J. Bot. 23(2): 393, 1985.

Basionym: *Corticium coprosmae* G. Cunn., Trans. Roy. Soc. N.Z. 82: 280, 1954.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.XI.1977, V.L.R. Bononi SP142153.

Remark: Bononi (1984) referred this taxon as *Corticium coprosmae* Cunn. and Gibertoni and Drechsler-Santos (2010) as *Chondrostereum coprosmae*, but the identification was not confirmed because the material was sterile.

Coniophora arida (Fr.) P. Karst., Not. Sällsk. Fauna et Fl. Fenn. Förh. 9: 370, 1868.

Basionym: *Thelephora arida* Fr., Elench. fung. (Greifswald) 1: 197, 1828.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 21.IX.1978, R.A.P. Grandi SP156810.

Remarks: The exsiccate cited by Bononi (1984) as *Coniophora arida*, was revised and re-identified as *Aleurodiscus cerussatus*.

Coniophora olivacea (Fr.) P. Karst., Hattsvampar 2: 162, 1879.

Basionym: *Hypochnus olivaceus* Fr., Observ. mycol. (Havniae) 2: 282, 1818.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 11.IV.1978, V.L.R. Bononi SP156780.

Remarks: Bononi (1984) referred this taxon as *Coniophora atrocinerea* Karst. and Gibertoni and Drechsler-Santos (2010) cited as *Coniophora olivacea* (both erroneously as SP156771). The exsiccates SP156771 and SP156780 were revised and re-identified as *Scytinostroma albocinctum*.

Corioloopsis gallica (Fr.) Ryvarden, Norw. Jl Bot. 19: 230, 1973.

Basionym: *Polyporus gallicus* Fr., Syst. mycol. (Lundae) 1: 345, 1821.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 24.V.1979, V.L.R. Bononi SP156751.

Remarks: Bononi (1984) referred this material as *Trametes hispida* Bagl. and Gibertoni and Drechsler-Santos (2010) as *C. gallica*, but the exsiccate was re-identified as *T. ochracea*.

Exidiopsis calcea (Pers.) K. Wells, Mycologia 53(4): 348, 1962.

Basionym: *Thelephora calcea* Pers., Syn. meth. fung. (Göttingen) 2: 581, 1801.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.XI.1977, V.L.R. Bononi SP142152.

Remark: Bononi (1984) referred this taxon as *Corticium calceum* Fr. and Gibertoni and Drechsler-Santos (2010) as *Exidiopsis calcea*, but the identification was not confirmed because the material was sterile.

Ganoderma resinaceum Boud., in Patouillard, Bull. Soc. mycol. Fr. 5: 72, 1890.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 18.VIII.1977, V.L.R. Bononi SP142173.

Remarks: The exsiccate cited by Bononi (1984) as *Ganoderma resinaceum* was revised and re-identified as *G.*

tuberculosis.

Hymenochaete cacao (Berk.) Berk. and M.A. Curtis, J. Linn. Soc., Bot. 10(46): 333, 1868.

Basionym: *Stereum cacao* Berk., Hooker's J. Bot. Kew Gard. Misc. 6: 169, 1854.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 11.IV.1977, V.L.R. Bononi SP142193.

Remarks: The exsiccate cited by Bononi (1984) as *Hymenochaete cacao* was revised and re-identified as *H. berkeleyana*.

Hymenochaete unicolor Berk. and M.A. Curtis, J. Linn. Soc., Bot. 10(46): 335, 1868.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 11.IV.1978, V.L.R. Bononi SP142094, SP156781.

Remarks: The exsiccates published by Bononi (1984) as *H. unicolor* were revised and the specimen SP142094 is a sterile *Asterostroma* sp., while SP156781 was re-identified as *H. corrugata*.

Hyphodontia crustosa (Pers.) J. Erikss., Symb. bot. upsal. 16(1): 104, 1958.

Basionym: *Odontia crustosa* Pers., Observ. mycol. (Lipsiae) 2: 16, 1800.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 11.VIII.1977, V.L.R. Bononi SP142172.

Remarks: The exsiccate published by Bononi (1984) as *Hyphodontia crustosa* was revised and is a sterile *Phanerochaete* sp.

Hyphodontia sambuci (Pers.) J. Erikss., Symb. bot. upsal. 16(1): 104, 1958.

Basionym: *Corticium sambuci* Pers., Neues Mag. Bot. 1: 111, 1794.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 11.IV.1978, V.L.R. Bononi SP156784.

Remarks: It was not possible to identify the exsiccate cited by Bononi (1984) because it was in bad conservation conditions.

Hyphodontia spathulata (Schr.) Parmasto, Consp. System. Corticiac. (Tartu): 123, 1968.

Basionym: *Hydnum spathulatum* Schrad., Spicil. fl. germ. 1: 178, 1794.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 12.XII.1978, V.L.R. Bononi SP142232.

Remarks: It was not possible to identify the material previously published by Bononi (1984) because apparently there is only substrata in the exsiccate.

Melanoporella carbonacea (Berk. and M.A. Curtis) Murrill, N. Amer. Fl. (New York) 9(1): 14, 1907.

Basionym: *Polyporus carbonaceus* Berk. and M.A. Curtis, J. Linn. Soc., Bot. 10(45): 317, 1868.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi

Guaçu, 17.X.1977, V.L.R. Bononi SP142177; 11.IV.1978, V.L.R. Bononi SP156772.

Remarks: Bononi (1984) referred these taxa as *Poria carbonacea* (Berk. and Curt.) Cooke, but the revision of exsiccates proved them to be sterile *Perenniporia* sp.

Melanoporia nigra (Berk.) Murrill, N. Amer. Fl. (New York) 9(1): 15, 1907.

Basionym: *Polyporus niger* Berk., J. Bot., Lond. 4: 304, 1845. Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 22.XI.1977, V.L.R. Bononi SP142159; 15.VIII.1978, V.L.R. Bononi SP142196, SP142197, SP142214.

Remarks: Bononi (1984) referred these materials as *M. nigra*, but the exsiccates were re-identified as *Trichaptum perrottetii*.

Microporellus obovatus (Jungh.) Ryvarden, Norw. J. Bot. 19: 232, 1972.

Basionym: *Polyporus obovatus* Jungh., Praem. Fl. Crypt. Javae (Batavia): 65, 1838.

Remark: The exsiccate SP43843 from Reserva Biológica de Mogi-Guaçu, cited by Fidalgo *et al.* (1965) was not found in SP.

Peniophora inconspicua (Berk. and M.A. Curtis) Masee, J. Linn. Soc., Bot. 25: 149, 1889.

Basionym: *Corticium inconspicuum* Berk. and M.A. Curtis, J. Linn. Soc., Bot. 10(46): 336, 1868.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 10.XI.1978, R.A.P. Grandi SP142223.

Remarks: Bononi (1984) referred this taxon from Cerrado and Gibertoni and Drechsler-Santos (2010) excluded it from the checklist based on undefined nomenclature. It was not possible to identify the material because it was in bad conservation conditions.

Phanerochaete hydnoides (Cooke and Mass.) Donk

Remarks: According to Gibertoni and Drechsler-Santos (2010), this taxon cited by Bononi (1984) does not exist in any fungi databases, suggesting that it could be *Scopuloides hydnoides* (Cooke and Masee) Hjortstam and Ryvarden. Unfortunately the voucher (SP142247, from Reserva Biológica de Mogi Guaçu) was not found in SP, not allowing a conclusion concerning the identification.

Phellinus punctatus (Fr.) Pilát, Atlas Champ. l'Europe, Polyporaceae (Praha) 3(1): 530, 1942.

Basionym: *Polyporus punctatus* Fr., Hymenomyc. eur. (Upsaliae): 572, 1874.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 15.VIII.1978, V.L.R. Bononi SP142213.

Remarks: The exsiccate SP142213 (erroneously published as SP142113 by Bononi 1984 and Gibertoni and Drechsler-Santos 2010), does not have basidiospores to confirm the identification.

Phellinus robustus (P. Karst.) Bourdot and Galzin, Hyménomyc. de France (Sceaux): 616, 1928.

Basionym: *Fomes robustus* P. Karst., Bidr. Känn. Finl. Nat.

Folk 48: 467, 1889.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 18.VIII.1977, V.L.R. Bononi SP142170.

Remarks: The material was re-identified as *Fomitiporia maxonii*.

Phylloporia ribis (Schumach.) Ryvarden, Polyp. N. Eur. (Oslo) 2: 371, 1978.

Basionym: *Boletus ribis* Schumach., Enum. pl. (Kjbenhavn) 2(2): 386, 1803.

Remark: This species is restricted to temperate zone and the exsiccates SP61088 and SP61159 from Cerrado Itirapina (Municipality of São Carlos, São Paulo State) cited by Fidalgo *et al.* (1965) were not found in SP.

Rigidoporus vinctus (Berk.) Ryvarden, Norw. J. Bot. 19(2): 143, 1972.

Basionym: *Polyporus vinctus* Berk., Ann. Mag. nat. Hist., Ser. 2, 9: 196, 1852.

Material examined: BRAZIL. São Paulo State: Mogi Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi Guaçu, 15.VIII.1978, V.L.R. Bononi SP142207.

Remarks: Bononi (1984) referred this taxon as *Poria albstygia* (Berk. and Curt.) Lloyd and Gibertoni and Drechsler-Santos (2010) as *R. vinctus*, but the exsiccate was re-identified as *Perenniporia medulla-panis*.

Scytinostroma portentosum (Berk. and M.A. Curtis) Donk, Fungus, Wageningen 26(1-4): 20, 1956.

Basionym: *Corticium portentosum* Berk. and M.A. Curtis, Grevillea 2(13): 3, 1873.

Material examined: BRAZIL. São Paulo State: Mogi-Guaçu, Distrito Martinho Prado Júnior, Reserva Biológica de Mogi-Guaçu, 22.XI.1977, V.L.R. Bononi SP142146.

Remarks: Bononi (1984) cited this taxon but the specimen was sterile and the identification was not confirmed.

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